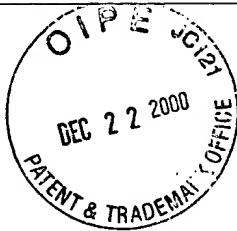


INEEL

Idaho National Engineering & Environmental Laboratory
BECHTEL BWXT IDAHO, LLC

2766
2131
#6
P.O. Box 1625
2525 North Fremont Ave.
Idaho Falls, Idaho 83415
(208) 526-0111



December 18, 2000

CCN 16483

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Attn Group Art Unit 2766
Assistant Commissioner for Patents
Washington, D.C. 20231

LIT-PI-484, "DIGITAL SIGNATURE SYSTEM WITH NONREPUDIATION FOR
RELATIONAL DATABASES"

Dear Sir:

Enclosed is an Information Disclosure Statement together with PTO Form 1449 and listed art,
and a return receipt postcard.

Sincerely,

Patricia A. Butikofer
Intellectual Property Administrator
Technology Transfer Office

PB

Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Bennett J. Groeneveld, et al

Serial No.: 09/544,777

Examiner: Unknown

Filing Date: 04/07/00

Group Art Unit: 2766

Title: DIGITAL SIGNATURE SYSTEM WITH NONREPUDIATION FOR RELATIONAL DATABASES

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last.

It is requested that the newly discovered information disclosed herein be made of the record in this application.

Respectfully submitted,

By Alan D. Kirsch
Alan D. Kirsch
Reg. No.: 33,720

Date: 12/18/00

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8a)

I hereby certify that this correspondence is, on the date shown below, being:

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☒ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231

Date: 12-18-00

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

Patricia Buttkofer
Signature
Patricia Buttkofer
(Type or print name of person certifying)

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
LIT-PI-484 - ~~ADK-20-99~~SERIAL NO.
09/544,777

LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Bennett J. Groenveld et al.FILING DATE
April 7, 2000GROUP
Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
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	AL						
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AR		"Public Key Solutions - Secure Digital ... Information Systems and E-commerce."; http://www.gradkell.com/pks.html ; 6 pages.
	AS		"PureEdge Solutions"; "Creating Binding E-Commerce, Legally Binding XML Solutions; http://www.uwi.com/faq/faq.html ; 3 pages
	AT		"Digital Signatures Guidelines - Tutorial" "American Bar Association Section of Science and Technology Information Security Committee";
			http://abamet.org/scitech/ec/isec/dsg-tutorial.html ; 6 pages

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. LIT-PI-484 - ADK-20-99		SERIAL NO. 09/544,777	
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)		
	AR	"MIT distribution site for PGP" "Welcome to the MIT Distribution Center for PGP(Pretty Good Privacy)"; http://web.mit.edu/netwrok/pgp.html ; 3 pages
	AS	"iLUMIN" iLUMIN™ Process" wysiwyg://233/http://www.ilumin.com.technology/process; 3 pages
	AT	"Transuranic Reporting, Inventory, and Processing System (TRIPS) Information Model Dictionary"; Release 2.0; Herring, C.A. and Chirstiansen, D.W.; March 1998; pps. 1-196.

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U.S. DEPARTMENT OF COMMERCE
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LIT-PI-484 - ~~XXXXXX~~

SERIAL NO.

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Bennett J. Groenfeld et al.

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

1	AR		"ABA Digital Signatures Guidelines"; "Legal Infrastructure for Certification Authorities and Secure Electronic Commerce"; August 1, 1996; pps. 1-132
1	AS	1	"TRIPS Mini Design R3.0"; B. Groeneweld, W. Austad, C. Herring, K. Wagner; pps. 1-5.
1	AT		"TRIPS Technical Investigation"; Scalability of Electronic Approval Snapshots: OS Flat Files vs. LDAP; S. Walsh, B. Novak, W. Austad; May 5, 1998; 3 pages.

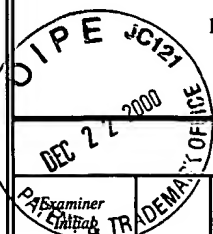
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
\	AR		"TRIPS Mini Design" "Data Validation Business Rules"; M. Sherick, K. Lundquist; L. Pask; E. Dumas, S. Hailey, R. Arbon, G. Hayes, G. Twedell, C. Crowder, and B. Evans; July 15, 1998; pps. 1-5.				
\	AS		"TRIPS Mini Design" "Electronic Signature Architecture"; W. Austad, S. Walsh, C. Herring, and B. Groeneveld; September 28, 1998; pps. 1-8.				
\	AT		"Transuranic Reporting, Inventory, and Processing System (TRIPS) Electronic Signature Background Document"; November 3, 1997; pps. 1-22.				
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		"PKCS #1: RSA Encryption Standard, Version 1.5"; RSA Laboratories; November 1, 1993; pps. 1-37.				
	AS		"TRIPS Mini Design" "Electronic Approval (Draft - R4 Design Base)"; W. Austad, S. Walsh, C. Herring; April 7, 1998; pps. 1-37.				
	AT		"PKCS #11: Cryptographic Token Interface Standard; Version 2.01; December 22, 1997; pps. 1-246.				
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/	AR		"Useful Terminal Services Resource Kit Utilities" http://support.microsoft.com/support/kb/articles/Q240/4/44.ASP?LN=EN-US&SD=gn&FR=0 ; August 8, 2000; 2 pages.				
/	AS		"JetForm" "FormFlow®"; "The Next Generation E-forms Solution from JetForm"; "Product White Paper"; pps. 1-29.				
/	AT		"Non-Repudiatible - Electronic Signatures in the Transuranic Reporting and Inventory Processing System"; R.G. Oesterling, W.E. Austad; B.J. Groenveld; C.A. Herring, C. Mancuso; S.C. Walsh; pps. 1-17.				
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
AR		"Enterprise Reality" "Creating Data Confidence Through Access Controls and Electronic Signatures"; Carol Mancuso; May 3-6, 1998; pps. 1-36.					
AS		"Using Public Key Digital Signatures in Paperless Information Systems" http://www.gradkell.com/PKI/ ; 6/4/99; pps. 1-18					
AT							
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